



**WISCONSIN**  
UNIVERSITY OF WISCONSIN-MADISON



**Jeudi 23 juin 2016, 11:00**

Salle de réunion

**THE ESTABLISHMENT OF A NEW PEST:  
PHENOLOGY, CROP SUSCEPTIBILITY AND IMPACT OF LANDSCAPE ON  
*DROSOPHILA SUZUKII***

par

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- 📌 Spotted wing drosophila, *Drosophila suzukii*, is an invasive pest from Eastern Asia that invaded the United States in 2008 and was since found in Europe in 2009 and South America in 2012. This infamous pest attacks soft skinned ripening and ripe fruit as the female possesses a serrated ovipositor that allows her to cut the skin of the fruit to lay her eggs inside the fruit.
- 📌 As this pest establishes in a new environment and landscape, we were first interested in describing its seasonal phenology, determine the presence of seasonal morphs, and assess the reproductive status of females throughout the growing season. Another study looked at the effect of landscape on population abundance of this pest. Specifically, we assessed whether the amount of woodland surrounding a farm would impact population abundance, first occurrence, and larval infestation in a raspberry crop.
- 📌 Finally, we assessed several fruit crops as potential hosts for spotted wing drosophila to determine risk for growers. Data will be presented on cold climate grape varieties commonly grown in the Upper Midwest of the USA.